

United States Department of Agriculture  
Animal and Plant Health Inspection Service  
4700 River Road  
Riverdale, MD 20737

**Permit to Move Live Plant Pests, Noxious Weeds, and Soil**  
Interstate Movement  
**Regulated by 7 CFR 330**

This permit was generated electronically via the ePermits system

|                         |  |                            |                   |
|-------------------------|--|----------------------------|-------------------|
| <b>PERMITTEE NAME:</b>  | John Orrock  | <b>PERMIT NUMBER:</b>      | P526P-18-02336    |
| <b>ORGANIZATION:</b>    | University of Wisconsin  | <b>APPLICATION NUMBER:</b> | P526-180521-011   |
| <b>ADDRESS:</b>         | 250 North Mills Street<br>Madison, WI 53706  | <b>FACILITY NUMBER:</b>    | N/A               |
| <b>MAILING ADDRESS:</b> | 250 North Mills Street<br>Madison, WI 53706  | <b>HAND CARRY:</b>         | Yes               |
| <b>PHONE:</b>           | 608-263-5134   | <b>DATE ISSUED:</b>        | 06/06/2018        |
| <b>FAX:</b>             |  | <b>EXPIRES:</b>            | <b>06/06/2021</b> |
| <b>DESTINATION:</b>     | Dept. Entomology and Nematology, UC Davis,<br>Briggs Hall, Room 367, Davis, CA 95616 |                            |                   |
| <b>RELEASE:</b>         | No   |                            |                   |

Under the conditions specified, this permit authorizes the following:

| <u>Regulated Article</u> | <u>Life Stage(s)</u> | <u>Intended Use</u> | <u>Shipment<br/>Origins</u> | <u>Originally Collected</u>                              | <u>Culture<br/>Designation</u> |
|--------------------------|----------------------|---------------------|-----------------------------|--|--------------------------------|
| Helicoverpa zea          | Any                  | Research - Field    | Continental U.S.            | Originally Collected from Within the<br>Continental U.S. |                                |
| Spodoptera exigua        | Any                  | Research - Field    | Continental U.S.            | Originally Collected from Within the<br>Continental U.S. |                                |

**PERMIT GUIDANCE**

- 1) This permit does not authorize importation, interstate movement, possession, and/or use of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology).
- 2) If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to [http://www.aphis.usda.gov/import\\_export/animals/animal\\_import/animal\\_imports\\_an\\_products.shtml](http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_an_products.shtml)
- 3) If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program at <http://www.cdc.gov/od/eaipp/>
- 4) This permit does not fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.

Permit Number P526P-18-02336

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING  
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.

*Carlos A. Blanco*  
**Carlos Blanco**

DATE

**06/06/2018**

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

5) If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

### PERMIT CONDITIONS

This permit authorizes Dr. John Orrock, University of Wisconsin, 250 North Mills Street, Madison, WI, to move all life stages of *Helicoverpa zea*, and *Spodoptera exigua* from the continental United States for laboratory, greenhouse and field research in Yolo County, California. All these conditions must be followed:

1. *Helicoverpa zea*, and *Spodoptera exigua* must be shipped / carried in escape proof containers held within a secure box.
2. The permit holder or their designees are authorized to transport *Helicoverpa zea*, and *Spodoptera exigua* in enclosed motor vehicles (i.e. no motorcycles or open-bed trucks). If stopped by law enforcement and requested to relinquish the organisms, then the permit holder must provide a copy of this permit and all conditions. Confiscated organisms must be safeguarded prior to return to the permit holder. Shipping/handling costs associated with the movement of confiscated packages are the responsibility of the permit holder. Shipments carried in vehicles must meet all packaging requirements. Any accidents during transport that compromise the security of shipment packaging must be immediately reported to the USDA via: [pest.permits@aphis.usda.gov](mailto:pest.permits@aphis.usda.gov). Include the permit number and ATTN: CA Blanco in the subject line, and describe the efforts taken to contain the pests.
3. Receipt and research with *Helicoverpa zea* known to be, or putatively resistant to *Bacillus thuringiensis* require a separate PPQ 526 permit.

FIELD RELEASE of Bt-resistant or putatively Bt-resistant *Helicoverpa zea* IS NOT AUTHORIZED.

4. This permit authorizes the interstate movement from colonies that originated in the continental United States. Colonies that originated from foreign countries, from US territories, or Hawaii require a separate permit.
5. This permit only covers the listed Arthropods. Work with plant diseases that these Arthropods may transmit originating from outside of the destination state requires a separate permit.
6. All persons working with the listed regulated pests must be informed of these permit conditions. Anyone working with these materials/organisms must agree to and sign/initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/APHIS but must be readily accessible and made available to Federal and State regulators upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized materials/organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit

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|--|--|

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number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

7. There is to be no further movement or distribution of *Helicoverpa zea*, or *Spodoptera exigua* within the United States and its territories unless the recipient holds, or is named as a responsible party on a valid PPQ526 permit for receipt of these regulated pests.

8. The permit holder must:

- maintain a valid PPQ526 permit so long as the regulated materials/organisms are alive or viable,
- not assign or transfer this permit to other persons without APHIS PPQ authorization,
- maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
- notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
- notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials/organisms,
- adequately mitigate environmental impacts resulting from unauthorized release of regulated materials/organisms and notify the Pest Permit staff immediately if one occurs,
- notify the Pest Permit Staff if the facility is damaged/destroyed or if you wish to decommission the facility,
- destroy all regulated materials/organisms prior to departure from the organization unless other arrangements are confirmed by the Pest Permit Staff.

Notifications to the Pest Permit Staff must be made via 866-524-5421 or [pest.permits@aphis.usda.gov](mailto:pest.permits@aphis.usda.gov) within one business day of the event triggering a notification.

9. ● This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.

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- The permit number or a copy of the permit must accompany the shipment.
- You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
- You are legally responsible for complying with all permit requirements and permit conditions.
- If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
- Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.

### END OF PERMIT CONDITIONS

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